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Managed by Brookhaven Science Associates
for the U.S. Department of Energy

Mr. Brian Jankauskas
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7015

DEC 11 2019

Ms. Sharon Hartzell
Federal Facilities Section
Emergency and Remedial Response Division
U. S. EPA – Region II
290 Broadway – 18th Floor
New York, New York 10007-1866

Dear Mr. Jankauskas and Ms. Hartzell:

**SUBJECT: BROOKHAVEN NATIONAL LABORATORY (BNL): INTERAGENCY
AGREEMENT GROUNDWATER REMEDIATION SYSTEMS QUARTERLY
OPERATIONS REPORT, July 1, 2019 – September 30, 2019**

Enclosed please find the Groundwater Remediation Systems Quarterly Operations Report for July 1, 2019 through September 30, 2019. This report addresses the groundwater remediation systems and includes the groundwater monitoring for the g-2 Tritium Plume and the Brookhaven Linac Isotope Producer Source Area for the third quarter CY 2019. The Section 1 overview table provides a status of each groundwater treatment system through September 2019. The following items contained in the report are of note:

- A Petition for Closure of the OU I South Boundary Groundwater Treatment System was approved by the regulators in September 2019. Sampling of the extraction wells will be discontinued in October 2019.
- Industrial Park extraction wells EW-8 and EW-9 were placed in stand-by mode on July 1st due to individual volatile organic compound concentrations remaining below standards in these wells since 2017.
- The Modification to the North Street East Groundwater Treatment System was submitted to the regulators September 3, 2019. This includes two additional extraction wells to remediate the ethylene dibromide (EDB) plume. The two additional extraction wells were installed and developed as well as four additional monitoring wells. Construction of system modifications are continuing.
- Seven temporary wells were installed to fill Sr-90 monitoring network data gaps north of the HFBR.
- A Petition for Closure for the Building 452 Freon-11 Treatment System was submitted to the regulators July 17, 2019. NYSDEC/NYSDOH approval of the Petition was received in August, and EPA comments were received in September. Responses to EPA comments were submitted in November.

If you have any questions concerning this report, please contact me at (631) 344-5186.

Sincerely,

A handwritten signature in black ink, appearing to read "W. Dorsch", followed by a horizontal line.

W. Dorsch, Manager
Groundwater Protection Group

Enclosure:

cc:

M. Dikeakos, BHSO
R. Howe
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File: GWER 58.2.19